



European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

**Published:**

- *with international search report*
- *with amended claims and statement*

**Declaration under Rule 4.17:**

- *of inventorship (Rule 4.17(iv)) for US only*

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

# INTERNATIONAL SEARCH REPORT

International Application No

PCT/04/000048

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 F21V14/04 F21V11/02 F21V17/16  
//F21Y103/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 F21V

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4 652 983 A (MYTELS MICHAEL) 24 March 1987 (1987-03-24) column 1, line 26 - line 31 column 4, line 2 - line 9 column 4, line 17 - line 21 column 4, line 44 - line 50 figures 1-3	1-4
A	GB 2 311 124 A (LOUVRE COMPANY LIMITED THE) 17 September 1997 (1997-09-17) claims 1,2; figures 1A,1B	1,3,4
A	DE 35 19 498 A (SCHAEFFLER WOLFGANG) 4 December 1986 (1986-12-04) figures 1,2	1



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

### \* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the International filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the International filing date but later than the priority date claimed

- \*T\* later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*&\* document member of the same patent family

Date of the actual completion of the International search

5 January 2005

Date of mailing of the International search report

18/01/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

De Mas, A

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/GR2004/000048

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 4 122 511 A (PETERSEN JANN) 24 October 1978 (1978-10-24) column 4, line 15 - line 64 figures 1,2 -----	1

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/04/000048

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
US 4652983	A	24-03-1987	DK	418586 A		31-07-1987
GB 2311124	A	17-09-1997	NONE			
DE 3519498	A	04-12-1986	DE	3519498 A1		04-12-1986
US 4122511	A	24-10-1978	DK	70376 A		21-08-1977
			CH	615491 A5		31-01-1980
			DE	2707037 A1		25-08-1977
			DE	7704992 U1		07-02-1980
			GB	1518775 A		26-07-1978